SILICA FABRIC

1 PRODUCT & COMPANY IDENTIFICATION

Product Identifier:	TTT-TEX-2
Common Name:	Plain Weave Silica Fabric
SDS Number:	
Revision Date:	2025
Supplier Details:	Thermal Tech & Temp Inc. P.O Box 1304 Crown Point, Indiana 46308
Contact:	Thermal Tech & Temp Inc.
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Website:	www.thermaltechtemp.com

2 HAZARDS IDENTIFICATION

Classification of Substance:	This product is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 190.1200)
GHS Label Elements, Incuding Precautionary Statements:	**GHS Signal Word:** None. **GHS Hazard Pictograms:** None. **GHS Hazard Statements:** The product does not meet the criteria for classification. **GHS Precautionary Statements:** **Prevention:** Observe good industrial hydiene practices. Use with adequate ventilation (mechnical or natural) **Response:** Wash hands after handling **Storage:** Avoid generation of dusts **Disposal:** Dispose of waste and residues in accordance with local authority requirements.
Hazards not Otherwise Classified (HNOC) or not covered by GHS:	**Emergency Overview:** Breathing dust from this product may cause a scratchy throat, congestion, and slight coughing. Getting dust or fibers on the skin, or in the eyes may cause itching, rash, or redness. All symptoms temporary. Fiber dust may cause temporary mechanical irritation.

3 COMPOSITION/INFORMATION ON INGERDIENTS

Chemical Ingredients		
CAS #	%	Chemical Name
65997-17-3	>99.95%	Fibrous Glass, non respirable
N/A	<0.05%	Organic Surface Binder/Sizing

Fibrous Glass: (65997-17-3)
Exposure Limits: For this product only textile glass fibers (silicate type) produced in long, continuous filaments (no wool). Due to the manufacturing process used, these fibers have diameters greater than 3.5 micron and consideredto be non respirable. (Definition respirable fibers according to NIOSH: Fibers with a diameter lower than 3.5 microns).

4 FIRST AID MEASURES

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.
Skin Contact: Remove contaminated clothing and shoes. Gently wash with plenty of soap and water. Seek medical attention if irritation persists or glass fiber becomes embeded.
Eye Contact: Do not rub or scratch eyes. Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes with eyelids open.
Ingestion: Rinse mouth with water and drink plenty of water.

5 FIRE FIGHTING MEASURES

Flash Point (Method Used): Use standard firefighting procedures and consider the hazards of other involved materials.
Extinguishing Media: All standard extinguishing media. Use an extinguishing agent suitable for the surrounding fire.
Special Fire Fighting Procedures: No special procedures are expected to be necessary for this product.
Unusual Fire and Explosion Hazards: No unusual fire or explosion hazards noted.

6 ACCIDENTAL RELEASE MEASURES

Keep unnecessary and unprotected personnel away. Avoid dust formation.

7 HANDLING AND STORAGE

Handling Precautions: Avoid generation of dusts. Eating, drinking and smoking should be prohibited near material.
Storage Requirements: Warehouse storage should be in accordance with package directions, if any. Material should be kept clean and dry.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limits.

Personal Protective Equipment: Wear protective gloves or use protective cream, when necessary. Wear suitable protective clothing. When workers are facing airborne particulates/dust concentrations above the exposure limit they must use appropriate certified respirators. A properly fitted NISOH approved disposable N 95 typer dust respirator or better is recommended. Consult with your company's loval procedures for selection, training, inspection, and maintenance of respirators. Otherwise consult NIOSH.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White
Physical States:	Solid
Specific Gravity or Density:	2.4
Boiling Point:	N/A
Vapor Pressure	N/A
Potentia Hydrogenii:	N/A
Odor:	No odor
Solubility:	Negligible
Freezing or Melting Point:	>1.472 degrees ° F
Vapor Density:	N/A

10 STABILITY AND REACTIVITY

Chemical Stability:	No decomposition if stored and applied as directed.
Conditions to Avoldentification:	Stable under recommended storage conditions.
Materials to Avoldentification:	At contact with hydrofluoric acid (HF) tetraflurorsilane (SiF4) may be formed.
Hazardous Decomposition:	Stable under recommended storage conditions.
Hazardous Polymerization:	No data available.

11 TOXICOLOGICAL INFORMATION

Inhalation may cause coughing, nose and throat irritation, and sneezing. people with preexisting respiratory conditions, may experience difficult breathing, congestion and chest tightness. Dusts may cause mechanical irritation of the skin and eyes. Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. There are no known health effects from the long term use or contract with nonrespirable continuous filament fibers. Nonrespirable fibers cannot reach the deep lung because they have a diameter of greater than 3.5 micrometers. Fibers of this diameter cannot penetrate the narrow bending passages of the human respiratory tract to reach the lower regions of the lung and thus, have no possibility of causing serious pulmonary damage. Instead, they deposit on the surfaces of the upper respiratory tract, nose, and pharynx. These fibers are then cleared through normal physiological mechanisms. Products that are severely mechanically processed during manufacturing or use may contain a very small amount of respirable glass fiber-like fragments. Persistent respirable glass fibers are suspected to cause cancer. NIOSH defines "respirable fibers" as greater than 5 microns in length and less than 3 microns in diameter with an aspect ratio of $\geq$5:1 (length to width ratio). The continuous glass fiber glass in the form supplied does not contain respirable fibers. Epidemiology studies: Two major studies in the US (performed by the Univeristy of Pittsburgh) and Europe (performed by the International Agency for Research on Cancer) showed no increase in lung cancer or respiratory disease among people working in production facilities procuring NONRESPIRABLE continuous filament fiberglass. An additional smaller study performed in Canada also did not show an association between exposure of workers to fiber glass and respiratory cancer.

12 ECOLOGICAL INFORMATION

No known significan effects or critical hazards.

13 DISPOSAL CONSIDERATIONS

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14 TRANSPORT INFORMATION

These products are not classified as dangerous goods according to international transport regulations.

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Fibrous glass (65997-17-3) [n/a%] -No products found/all components are listed or exempted.

16 OTHER INFORMATION

Disclaimer:

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